the memory and the computer program code configured to, with the processor, cause the apparatus to:

determine fingerprint data relating to available access points;

compare the fingerprint data to known fingerprint data of a fingerprint database;

update the fingerprint database in response to the comparison revealing new fingerprint data; and

store history data of series of fingerprint data reflecting earlier movement of a user.

48. The apparatus of claim **47**, wherein the memory and the computer program code are further configured to, with the processor, cause the apparatus to:

store the fingerprint data to the history data of a series of fingerprint data.

49. The apparatus of claim **47**, wherein the memory and the computer program code are further configured to, with the processor, cause the apparatus to:

determine the fingerprint data relating to available access points;

transmit the fingerprint data to a crowdsourcing server; update the fingerprint data to a crowdsourcing fingerprint database at the crowdsourcing server; and

receive, at the apparatus, fingerprint data comprising at least part of the crowdsourcing fingerprint database.

50. The apparatus of claim **47**, wherein the memory and the computer program code are further configured to, with the processor, cause the apparatus to:

maintain the fingerprint data in a fingerprint database; and maintain the history data in the history database.

51. The apparatus of claim **50**, wherein the fingerprint database may be located in at least one of the following:

a user apparatus; and

a server apparatus.

52. The apparatus of claim **50**, wherein the history database may be located in at least one of the following:

a user apparatus; and a server apparatus.

* * * * *